



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____

Source: _____

Date Processed by STIC: _____

10/544, 115
PCT
08/11/2005

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,
Room 1B03, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/544,115

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



PCT

RAW SEQUENCE LISTING

DATE: 08/11/2005

PATENT APPLICATION: US/10/544,115

TIME: 13:35:30

Input Set : A:\3514 160b.ST25.txt

Output Set: N:\CRF4\08112005\J544115.raw

3 <110> APPLICANT: The United States of America, as represented by the
 4 Secretary of DHHS, NIH
 5 Clore, Gideon
 6 Bewley-Clore, Carole
 7 Medabalimi, John
 9 <120> TITLE OF INVENTION: Novel Peptide Inhibitor of HIV Fusion That Disrupts the
 Internal
 10 Trimeric Coiled-Coil of gp41
 12 <130> FILE REFERENCE: 3514.160-PCT
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/544,115
 C--> 14 <141> CURRENT FILING DATE: 2005-08-01
 14 <150> PRIOR APPLICATION NUMBER: US 60/446,255
 15 <151> PRIOR FILING DATE: 2003-02-11
 17 <160> NUMBER OF SEQ ID NOS: 4
 19 <170> SOFTWARE: PatentIn version 3.2
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 36
 23 <212> TYPE: PRT
 24 <213> ORGANISM: HIV-1
 26 <400> SEQUENCE: 1
 28 Ser Gly Ile Val Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Ala
 29 1 5 10 15
 32 Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln
 33 20 25 30
 36 Ala Arg Ile Leu
 37 35
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 35
 42 <212> TYPE: PRT
 43 <213> ORGANISM: HIV-1
 45 <400> SEQUENCE: 2
 47 Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His
 48 1 5 10 15
 51 Ser Leu Ile Glu Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln
 52 20 25 30
 55 Glu Leu Leu
 56 35
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 36
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
 68 <220> FEATURE:

Does Not Comply
 Corrected Diskette Needed

(pg 1, 2)

Pls explain the
 Source of genetic
 Material for
 (Artificial, Unknown)
 Pls see gloss 11 on
 error Summary
 Sheet.

RAW SEQUENCE LISTING

DATE: 08/11/2005

PATENT APPLICATION: US/10/544,115

TIME: 13:35:30

Input Set : A:\3514 160b.ST25.txt

Output Set: N:\CRF4\08112005\J544115.raw

69 <221> NAME/KEY: MISC_FEATURE
70 <222> LOCATION: (1)..(36)
71 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
73 <400> SEQUENCE: 3
75 Ser Gly Ile Asp Gln Glu Gln Asn Asn Leu Thr Arg Leu Ile Glu Ala
76 1 5 10 15
79 Gln Ile His Glu Leu Gln Leu Thr Gln Trp Lys Ile Lys Gln Leu Leu
80 20 25 30
83 Ala Arg Ile Leu
84 35
87 <210> SEQ ID NO: 4
88 <211> LENGTH: 36
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
96 <220> FEATURE:
97 <221> NAME/KEY: MISC_FEATURE
98 <222> LOCATION: (1)..(36)
99 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
101 <400> SEQUENCE: 4
103 Ser Gly Ile Val Gln Gln Leu Asn Asn Gln Leu Arg Ala Glu Glu Ala
104 1 5 10 15
107 Asn Gln His Leu Glu Gln Leu Ser Val Trp Gly Ser Lys Gln Asn Gln
108 20 25 30
111 Ala Arg Arg Leu
112 35

Handwritten note: Same error (with arrows pointing to the circled "Variant of SEQ ID NO:1" entries at lines 93 and 99)

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/544,115

DATE: 08/11/2005

TIME: 13:35:31

Input Set : A:\3514 160b.ST25.txt

Output Set: N:\CRF4\08112005\J544115.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date